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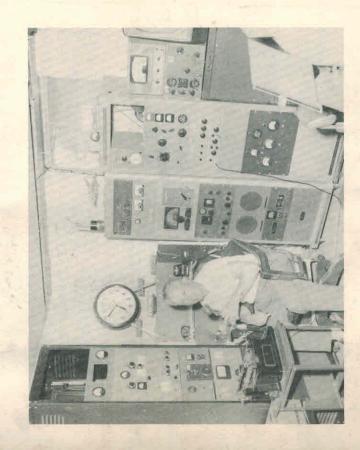
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Robert Annis W9CUD Indianapolis, Ind. 212 E. 11th St. ij



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The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M. Indianapolis time.

AMA-CHEWER STAFF

K9IUH Voods Trail VI 6-5191	K9EUQ Street CL 3-2220	W9JJC t Street TR 8-8331	SZTD R. Osterhous W9PSE JSF E. Ward K9CRS 9MEK H. Wolfla K9LZJ 9DNQ L. Easley K9QDR
Ben Marcel 1130 Birnam Woods Trail	Pat Husk 2223 East 74th Street	Alvey Pittman 2555 West 71st Street	L. Bannon W9ZTD B. Brouse K9JSF R. Bundy W9MEK R. Caskey W9DNQ
EDITOR	PUBLISHER	MANAGER	REPORTERS

PHOTOGRAPHER Frank Fitch W9EJW

TECHNICAL ADVISORS Cliff Singer W9SWD D. McVickers W9JZV

* * * * * *

W9 IVF

Ron Williams

COVER STORY

Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM SCHEDULE

plain the hows and whys of the newest mode of start saving our pennies for some new gear. If SSB by Rolly Boughton, W9PMM, who will extransmission in a manner that will make us all you want the straight info, don't fail to attend There will be no meetings during these months Street side. Contact the Chief Op. for sche-FIELD DAY -- State Fair Grounds on the 42nd spending all the money you saved all winter. dules and details. Use Main Gate Entrance. Hope you all have a good time on vacation, this session, June 24th Tune 25th July and & 26th August

September We have some dandies planned and will keep thru

December

however the Ama-Chewer will be on hand to let

you know who, what and where on the local

THEY ARE STILL AVAILABLE

Per request we were asked to find out if the surplus 2" scopes, which were described at a recent meeting, were still available.

Copy of note sent out on April 4th (for your info.)

Do you still have any APG-15 indicator units for the 2" "Micro Scope" as described in the February 1959 Western Radio Amateur????????

The reply came back as follows:

We still have these available at \$5.00 each. If you order, please enclose check or money order in the amount of purchase, plus \$1.00 for postage.

C and H Sales Company 2176 E. Colorado Street Pasedena 8, California

ATTENTION ALL SSB ers

The SSB Net has a new starting time, which is 7:00 P.M. Eastern Standard Time. So take note and don't miss out.

COVER STORY

K9KCQ, AFA9-KCQ, William G. Bradburn, whose picture is on our cover this month is an old timer and a member of the Quarter Centry Wireless Club, by virtue of the fact that he was licensed as W8MSI in 1934 at Logan, W. Va.

Brads main interest in amateur radio at present is in the Air Force MARS program. He was connected with the old AARS in the 20's and since WW II has become active in A.F. MARS. At present he is Indiana State Coordinator of A.F. MARS, reporting direct to Chiefs of MARS at the Pentagon. His responsibilities include coordinating A.F. MARS activities with the CAP, Red Cross and other agencies. He is also in charge of public relations and arranges speakers, displays, etc. in Indiana. Also on occasion he assists state coordinators in other states and travels to various parts of the country by AF aircraft on official business.

Brad has also done a lot of flying as a pilot. Prior to the U.S. entry into WW II he flew a number of B 24's to England for the Ferry Command. He then served a short hitch in the R.A.F. and when Uncle Sam entered the war he transfered to the Air Arm of the Navy.

One night several months ago Brad had the opportunity to assist in a rather serious emergency situation. He was in QSO with a fellow ham from his mobile, when upon rounding a corner he came across a badly wrecked car with the driver seriously injured. Brad called his contact for an ambulance and police, who arrived in a few minutes. While waiting he made the victim as comfortable as possbile and saved him many painful moments without help.

As many other hams, Brad also enjoys photography as a second hobby. He has a fine collection of movies and also many valuable pictures of famous and historic aircraft.

He lives with his family at 5030 W. Vermont St., and mobiles his way across town each day to his employment at Chrysler.

Have you anyone in mind for a cover story? Drop us a line and tell us all about the gent or lady and we may let his handsome face light up our cover in one of the coming issues. Only handsome hams can be nominated.

IRC IS YOUR CLUB, SUPPORT IT, ATTEND MEETINGS

THE PRESIDENTS FREQUENCY

veteran of the Spanish American War who when asked to make a speech at a reunion said "If you want to be seen, stand up, Dopey Dildock and talk about safety, and then the last issue pretty well covered in this issue, Then I thought I'd echo of QST covered that very well. Guess I could do like the I was going to say something about MARS, but that's If you want to be heard, speak out. If you want to be appreciated, sit down."

However before I sit down, read the editorial in the June respect lethel voltages, so long brother, and the guys will issue of QST, and then show it to the next guy that comes into your shack. Safety is a state of mind, if you don't look down and say "He did it without thinking."

fit our hobby, There are old hams, and careless hams, but Remember that old saying, which we will turn about to there are very few old careless hams.

26TH ANNUAL HAMFESTERS PICNIC AND MOBILE MEET

mobile meet, put on by the Hamfesters Radio Club of Chicago A set of advanced tickets to the 26th Annual picnic and are available through your Editor.

"Mobiline"-6, and many other prizes, and winners need not They are offering a Gonset G-76, a Globe Electronics be present to win the loot.

the gate. The shin-dig starts at 10:30 A.M. and I have a Advance tickets are \$1.00 with the fee being \$1.50 at complete map and directions for those of you who plan to

#\$(X & *#¢% 米米米米米米 NOW IS THE TIME

LETS ALL TURN OUT

80M

FIELD DAY

40M

6M FIELD DAY

SEE CHIEF OP. USE MAIN GATE Fone STATE FAIR GROUNDS

LOGGERS NEEDED GET WITH IT MAN FUN See you There 20M EATS FUN FOR ALL JOIN THE GANG POSITIONS OPEN

Hail Hail the Gangs all there

Don't Miss Out

MARS IS NOT A PLANET

On November 26th, 1948 the Secretary of Defense announced the implementation of the Military Amateur Radio System, MARS, a joint project of the Air Force and the Army under the direction of Major General Frances L. Ankenbrandt, and Major General Spencer B. Akin.

MARS, is in effect the reactivation of the pre-war Army Amateur Radio System (ARRS), so familiar to old-timers

teurs. In other words it is a program conceived and executed executed by personnel who are both soldiers and radio amafurther training in military communication, by co-ordinating doing will provide an additional source of trained communi-Primarily, the purpose of MARS is to create interest and amateur radio procedure with military procedure, and in so While the MARS program is military in concept, it is being to be not only palatable to the amateur but of tremendous cations personnel in the event of a national emergency. direct and indirect benefit to the country

A change in membership policy was effected in 1950 permitting civilian amateur radio operators to join the organization, which prior to this time had been limited to units or individuals in active military service.

As a result of the increased activity and interest on the part of the civilian amateur, the age limit for membership was lowered from 21 to 16 years, effective in 1953. In 1956 selected courses of the U.S. Air Force Extension qualified Air Force MARS members to enable them to review Course Institute, Air University, were made available to and further their training in communications electronics.

some experimentation with facsimile and television conducted ie. ssb,am,rtty, and cw, for training and traffic. Technical encouraged to go SSB. There are regular nets for each mode MARS members utilize all modes of transmission, but are nets delve into the more complex phases of altering equipment for specific or versitile applications. There is also by interested MARS members.

THE LOCAL ARMY MARS GANG

PPB, QJO, STA, SVA, SGV, TQC, USE and VNV. These fellows, take advantage of excellent CW practice transmissions on in the Army Mars operations, BUQ, HLR, IDI, JGJ, MGV, OOA, 3245, 4025, 4820, 5217 and 49.940. They can also be heard In the Indianapolis area the following amateurs are active operating fone on 4025 and 49.940, as well as other frequening the group should contact Charles G. Hoffman, A9-ZHL at cies dedicated to RTTY and SSB. Anyone interested in joinhis QTH, 3945 Hollywood Ave., Terre Haute, Indiana. ****

DOPEY DILDOCK SAYS

Naw! I never lock my car just because I have a mobile rig sittin up front, nobody would ever know what it was, so they **** would never steal it!!!!!!

WE HAVE FOUND THE PLACE

If your receiver has been acting up and you dread tackling that just never seem to align, then we have found the anthe IF and RF and all the rest of those hard as heck items swer for you.

Bob Ricketts, W9AMB, who lives at 6448 N. Broadway here has a well equipped shop, to test and repair all amateur gear. Bob is also the holder of a Commercial Radio Telephone 2nd National and Hammurlund receivers and transmitters. Bob in Indpls. is an authorized service agent for Hallicrafter, ticket which permits him to service Citizen Band gear, which we amateurs "ain't supposed to touch,"

info. you need, so that your old box of iron will, after a A call to Bob at CL 1-8070 after 6PM will get you the complete check-up, hear those signals that seemed to

have just faded away.

don't worry about confusing her with terms and descriptions If Nelda, the real boss of the QTH, answers the phone, if you leave word for Bob, as she is also a "ham" with

* * * * * *

KEEP US IN MIND

Later in the summer you will receive in the mail a postal card from the Ama-Chewer staff, which will be asking for a little info. (No, we haven't a job for you. Ed.)

The information will be used in a later edition of the paper and we mention it here so that the card won't hit file 13 by error. We are even going to splurge and paste a stamp on the return. Don't forget us!!

SWAP AND SHOP REPORT

The Annual Swap and Shop was a bigger and better show than ever, as the photos below will show.



evening, you might be interested to know that we had over In case someone stepped on your pet corn during the 125 bargain seeking Hams in one place at one time.



The raffle was also bigger and better than ever, with Bob Caskey, W9DNQ winning the Millen Grid Dipper (see photo of those two handsome dogs above.)

TWENTY YEARS AGO

Twenty years ago a commercial transmitter or kit was almost unkown. A Colpitts or Hartley circuit made up the oscillator using either a 201-A, 227, 45 or the old standby the 210. Some of the gang were using a self excited (1) tube transmitter or the newer MOPA. This Master Oscillator Power Amplifier was the beginning of buffer and doubler stages to get more power on higher frequencies. Crystals were still new, expensive, newfangled, and not to be trusted. A few used an aluminum kettle to cover the oscillator for shielding, but for the most part everything was still bread-board.

AC was being used on the filaments and it is still a sight in the writers eyes to see the two Christmas tree lamps, which were hooked in series across the filament leads to form a center tap, which lite when the key was depressed. These lamps served both to indicate the amount of current by their glow and to act as fuses if the plate in the 201-A blew out. Oh Yeah, the filament transformer was usually a electric train transformer which allowed increasing higher filament voltages as the 201-A filament became deactivated. The train transformer having no center tap dictated the need of the cheap and plentiful supply of Christmas tree lamps to form the artificial center tap.

The power supply for the transmitter was varied, with a great many stations using "Slop Jar Rectifiers". The supply consisted of a hard to come by transformer and a box of slop jars. These slop jars were the aluminum lead type using mason jars filled with a borax solution to rectify the AC. The creeping of the borax solution over the top of the jars easily earned the name "Slop Jar Rectifiers". The greenish glow of these rectifiers when seen in the dark was a sight to behold. The large mercury rectifiers with the starting well built in (no filament) were a sight to behold as it emitted its purple glow, dancing with the load. Fire and brimstone indeed.

The lowly 80 and the half wave bigger brother the 81 were the versions of the day. The transformers mentioned above were not shelf items, but had to be made almost to order and the handbook contained quite a bit of data to design and build your own.

LETTER OF THE MONTH

June 2, 1960

AmaChewer Editor Indianapolis, Ind. The Tech High School Radio Club has been having a very successful and busy twentieth year. Of the twenty-four members in the club, eight have calls and three are sweating out the FCC and the postman.

The club station W9HFQ is now on two through eighty and is going after WAS with a DX-100 and a Seneca. The beams have been overhauled and the six meter five element changed from a "T" to a "Gamma" match.

A new display case has been installed to hold the QSL cards of former members who received their calls while in Tech. Also the console has been enlarged by adding a shelf to hold the speaker, converter, control boxes and other small components.

The members with calls are:

K9PDE Chief Op. Rn9VCD Treas.
K9MXK. V. Pres. Kn9VSD. Sgt./Arm
K9PGK. Asst.Cf.Op. Kn9WKM Member
Kn9VDM. Chief Op. Kn9WSF. Member
Janet Worth NC Secretary

The club members extend an invitation to all Hams to visit our Shack in Room 580, Morgan Hall. The meetings are held from 3:30 to 4:30 every Friday.

73

G. E. Bramblett, W9POF Sponsor

THANK YOU THANK YOU, THANK YOU

We are indebted to Bob Good, K9PPB and Bill Bradburn, K9KCQ for all the info. on the MARS operations in this area. Anybody else care to step forward with some words of wisdom?

-

Things operate a little differently in the MARS organization when it comes to call letters and phonetics which can become very confusing to the rest of the amateurs unless they understand just what is going on.

In Army MARS a W9 call becomes A9, a K9 call becomes AA9, while in Air Force MARS a W9 call is AF9 and a K9 call is AFA9, all followed by their regular FCC call letters. Military phonetics are used at all times, Alpha, Bravo, Charley, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliett, Kilo, Lima, Mike, November, Oscar, Papa, Quebec, Romeo, Sierra, Tango, Uniform, Victor, Whiskey, Xray, Yankee

* * * * * * * PRICE ?

There is hardly anything in the world that some man cannot make a little worse and sell a little cheaper and the people who consider price ONLY are this man's lawful prey. John Ruskin

Written a long time ago, but it sure holds true today when it comes to buying amateur gear and parts. Price is not everything but even in this day of big deals, we still get just what we pay for.

THE LOCAL AIR FORCE MARS GANG

The local amateurs who participate in the Air Force MARS activities are AHD, AYI, EJF, IXD, JSF, JVF, JZV, KCQ, KGJ, KKF, LAQ, MAN, PUI, QHN, RSN, SFU, SJF, SUX, SWD, IT and VPN.

You can find these fellows using 49.980 and 143.950 for the VHF nets: 4450 for the week-day training nets and

7305 for the Techincal nets.

You are invited to listen in, but remember you cannot break into the nets for obvious reasons, however if you find that you would like to join them, they will be glad to furnish you with the necessary papers, info., etc.

SUMMERTIME BREAK FOR THE STAFF

During the summer months the AmaChewer staff is going to join the rest of you guys and gals and spend some time resting under the sahde of the old apply tree. However we feel that we can get up enough energy to get the paper out on schedule if we cut it back to 12 pages. Sooo the August issue will be lighter than usual.

THE KIDS AT BLIND SCHOOL TAKE EXAMS

The code shoool conducted by the IRC for the students at the Blind School ended Wednesday, May 25th. At that time FCC tests were given to Steven Spiker, Harriett Heiney, Raymond Warren and Kay Houchin. These students passed with flying colors and are now awaiting receipt of calls.

In the fall we are hoping to be able to conduct a novice class again, as well as an advanced class so that the current crop of novices can get their General Tickets.

The code school was headed by Bob Caskey, who arranged a schedule of teaching nights for the following participating teachers, Alvey Pittman, Pat Husk, Bob Caskey, Doyal McVicker, T. G. Lucas and Bob Osterhous. Many thanks for a well done job, which is one of the reasons, Ham Radio is so great.



Acknowledgment and thanks for equipment go to Bill Sinclair for a AC code oscillator and to R.M. Kinnett, Bob Caskey and Bob Amunrud, who furnished transistor oscillators. Amunrud also furnished six keys, which were polished and mounted on Masonite bases by Bob Annis and Caskey.

It has been a gratifying experience to all who have worked with the students and they have expressed their delight in having been a part of this club project.

Next season we will be looking forward to having your help in getting these youngsters on the air.

Earl Lemme, W9VVT, principal of the Carmel High School has a new HT-37 Hallicrafter Exciter and a pair of 813's in a final amplifier.

After 15 months K9IUH returned to 6M, and was welcomed by a K9V, who proceeded to explain the hows and whys of local operation to this new comer.

Central Electronics 10-A. (Whats the scoop old buddy? Ed.) "Sunshine" Brouse, K9JSF, has traded in a SB 10 for a

6er, which makes him about number 99 on the hit parade, of Winston Hunter, K9DWT has joined the gang with a new powerful little brown boxes. Did you hear about the doughnut that said to the big three layer cake, "If I had all your dough, I wouldn't be hanging around this hole." (Whew ! Pub.)

Confession: the reason we didn't list the names and calls resistor sub. box, capacitor sub. box, and two plactic parts boxes at the Swap and Shop, your humble editor listed the info. and then used the other side of the paper to give a of the lads who won the 24 hour clock, soldering iron, lovely blonde his phone number. (She left town).

we hate em, but in the end they always seem to be on our A tip of the lid to Grahams and VanSickle for their fine cooperation in helping us with the Swap and Shop. When they empty our pockets selling us all that beautiful gear,

Ed Ward, K9CRS is the proud papa of a new KWM2.

K9SER can be found buzzing around town most any time of the day or night operating 6M with his 6'er and a halo.

Tech Topics and Our Advertisers will be back next month, in there usual space, this month we just plum ran out of

at the park -- Starts at noon.

Central Indiana Mobile Radio Club annual picnic will be held at Riley Park in Greenfield, Ind. on July 10th. Prizes with tickets going for \$1.00, available from members or

GOONEY BOX SKED

fall trip down to the Big Smokey Mts., you had better get you plan to use it for a late summer vacation, or for that The gear is all booked up through August 12th, but if your bid in now. Contact the Chief Op.

ATTENTION ALL IRC MEMBERS

clubs Field Day site on June 25th and 26th must have their amateur ticket in their possession. So if you are planning All members who plan to operate one of the rigs at the have to make a second trip before you can handle a mike to join in on the fun, don't goof up on this, as you will

Although not compulsory we urge all members to bring a QSL card so that they may be posted on the operations bulletin board.

MARS BIDS YOU WELCOME

the Pentagon, Washington, D.C. operates 24 hours 7 days a week. Visitors are always welcome. Those who can furnish proof of a General or higher class amateur license may oper-MARS Hgs. station WAR/AIR located on the Concourse of ate equipment when scheduled operations permit,

ticipate in Armed Forces Day amateur radio activities on the MARS also invites amateurs throughout the world to parthird Saturday of May each year.

JUST IN CASE

Just in case you haven't heard the word, or didn't read the docket in the June issue of QST (if you don't subscribe--why CW on 50 and 144, now is a good time to peddle those rocks effective June 6th, 1960. So if you don't plan to work some Wonder if we will ever work our way up to 54mc, before our not?) the assignment of the lower 100kc. of the 50mc and 144mc bands has been officially set up for Al emission, that you once prized, and start climbing up the bands. Uncle takes it away from us.

We wish to welcome the following new members into the

Jim Gifford, K9WSV Charl Ryan, K9WST Cleo B. Clingerman, K9PDP - Bob Kiefer, K9JKH Ray Forbes, Sr., W9HNS Everette Waites, K90WP Ken Brabec, K9SGV

A HELPING HAND IS NEEDED

station at the school, and like all novices the big problem is As covered in another article in this issue, you know that have any information on surplus CW transmitters in the 60 to as a gift. We are thinking along the lines of a middle range the code school at the Indiana State School for the Blind has finding the right gear at a price that doesn't prohibit the use 75 watt class. Needless to say we would gladly accept one concluded for the summer. Plans are under way to set up a receiver, which as we all know must be able to do the job, of their new knowledge. The club would like very much to or it just becomes a killer of enthusiasm.

plans for which are already under discussion. You will hear The station would be at the school, in a provided place, you are able to help get the show on the road, contact Bob more of this as the plans firm up, however if you feel that Caskey and he will be more than glad to hear from you,

GRAHAMS SPECIAL FOR THE MONTH

\$275.00	\$299.00	\$299,00	\$127,00	\$225,00	\$189.00	\$650,00	\$279 00
Gonset G=50Brand New	Johnson Pacemaker	Johnson Valiant	National NC 109	Gon-Set Communicator III 6 meters	Hammarlund HQ 110	Collins KWM 1	National NC 300 mesessassassassassassassassassassassassas

AM I ELIGIBLE TO JOIN MARS?????

* Are 16 years of age or older. The answer is YES if you-

renewed or modified when your amateur ticket is renewed or modified. Expiration or revocation of your amateur license * Hold a valid amateur radio license issued by the Federal concurrently with the term of your FCC ticket and must be Communications Commission. Mars membership runs automatically terminates your MARS membership.

can be modified to operate, on at least two MARS frequencies * Possesses a station in operation capable of operating, or with an accuracy of frequency within one hundredth of 1 percent (0.01%).

HAM ADS

Used DX-20 or DX-40 State Price and Condition Gerry L. Hodson CH 4-4973	FOR SALE Heath F. M. Tuner, Model FM-4 wi/A.F.C. Fine construction, excellent condition. Bob Osterhous, W9PSE CL 5-1849	FOR SALE 20M 3 El. Mosley Beam VPA 20-3 \$ 25.00 Heath DX-40, Excellent Cond \$ 50.00 Heath, Model VFI, VFO \$ 14.50 Hallicrafter SX 71, Double Conv. 80 thru 6 Like New Condition \$ 125.00 Brush BK-401 Tape Recorder \$ 50.00 Ed White K9MSB TU 1-4566	FOR SALE Communicator III, 6M with Gonset VFO, (both with warranty cards), whip and mount, coax, 600DL or 102C mike, four crystals, mobile mount, 11:0V and 12V cable,Excellent Condition	FOR SALE Johnson Viking Adventurer, Perfect Cond. Perfect Novice Xmtr 50 power packed
WANTED	FOR SALE	FOR SALE	FOR SALE	FOR SALE

All gear including Gonset Communicator III, beams, parts, color IV, Hi-Fi equipment will be offered for sale at W9WW Has been transferred to Pittsburgh.

\$ 40.00

Dave Mills, Kn9SOP

Watts

CL 1-2319

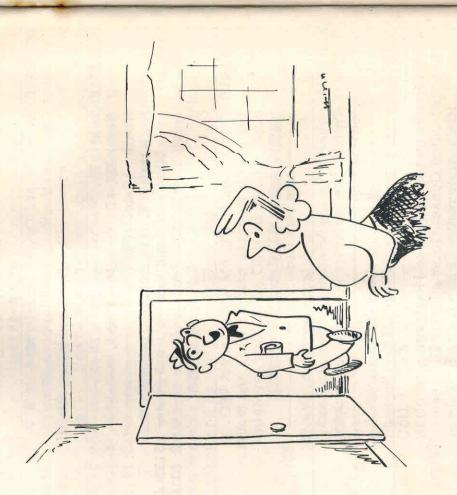
Please call on week-ends only. bargain prices.

Jack Hofeld, W9WX TI 9-2395

PROGRAM ANNOUNCEMENT FROM LILLY RADIO CLUB

July 20th at Lilly Auditorium, 740 S. Alabama at 7:30 P.M. Colored movies and talk on DX pedition to GALAPAGOS ISLANDS by W8MXS

* * * * * *



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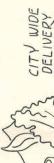
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